

RAYTOOLS

BM111 SERIES

Auto-Focusing 2D Cutting Head

Power Rate 3300W



scan it for more details



Durability

Dual water cooling of optics

Servo Drive Auto-focusing

Auto-focusing to reducing human intervention .
MAX focusing speed 10m/min, Repeat accuracy 50 μ m.

High-Speed Cutting

Cuts 12mm SUS304 at 0.6m/min @3000W
Cuts 12mm Q235 at 1.2m/min @3000W

Optimize Structure

Modularization, easy maintenance, reduce downtime.

Multiple Protection

Three cover glasses to protect focusing & collimation lens

High Dustproof

IP65 class dustproof, patented protection lens cover plate, ALL-around anti-dust

Specifications

Fiber Interface	QBH , QD
Clear Aperture	28 mm
Auto focus	
- Range	+10 ~ -12 mm
- Acceleration	≤ 10 m/s ²
- Velocity	≤ 10 m/min
- Accuracy	≤ 50 μ m
Cover glasses	
- Collimation side	$\Phi 24.9^* 1.5$ mm
- Focusing side	$\Phi 27.9^* 4.1$ mm

Collimator Focal length	100mm
Focusing Focal length	125mm , 155mm , 200mm
Nozzle Styles	Single , Double , Custom
Diameter of Nozzle tip	0.8mm, 1.0mm, 1.2mm, 1.5mm, 2.0mm, 2.5mm, 3.0mm, 3.5mm, 4.0mm, 4.5mm, 5.0mm
Assist gas pressure	≤ 30 bar
Weight	~ 5.7 kg

Specifications subject to change without notice.